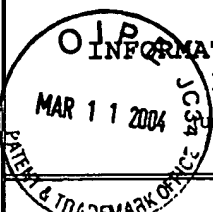


Form PTO-1449				ATTY. DOCKET NO. 0630-1891P		APPLICATION NO. 10/743,493		
<div style="text-align: center;">  <p>INFORMATION DISCLOSURE CITATION IN AN APPLICATION</p> <p>(Use several sheets if necessary)</p> </div>				APPLICANT Se-Wan KIM et al.				
				FILING DATE December 23, 2003		GROUP		
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS	SUB CLASS	FILING DATE IF APPROPRIATE	
MW	US 5,440,216		1995-08-08	KIM				
MW	US 5,646,494		1997-07-08	HAN				
	US							
	US							
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	US							
	US							
FOREIGN PATENT DOCUMENTS								
Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS	SUB CLASS	TRANSLATION	
							YES	NO
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)								
EXAMINER	/Marie Weiskopf/			DATE CONSIDERED 01/17/2007				
EXAMINER: Initial if citation considered, whether or not citation is in conformance with M.P.E.P. 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.								



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INFORMATION DISCLOSURE CITATION IN AN APPLICATION (Use several sheets if necessary)				APPLICANT Se Wan KIM et al.				
				FILING DATE December 23, 2003				
GROUP UNASSIGNED								
U.S. PATENT DOCUMENTS								
EXAMINER INITIAL	DOCUMENT NUMBER	Kind	DATE	NAME	CLASS SUB CLASS	FILING DATE IF APPROPRIATE		
MW	US 5,491,670	A	1996-02-13	Weber				
	US							
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	US							
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	US							
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	US							
FOREIGN PATENT DOCUMENTS								
	Office	DOCUMENT NUMBER	Kind	DATE	COUNTRY	CLASS SUB CLASS	TRANSLATION YES NO	
MW	JP	07-020223	A	1995-01-24	JAPAN		X	
MW	JP	04-210704	A	1992-07-31	JAPAN (W/ABSTRACT)			
OTHER DOCUMENTS (Include Name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.) date, page(s), volume-issue number(s), publisher, city and/or country where published.)								
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Substitute for form 1448A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT <i>(Use as many sheets as necessary)</i>				Complete if Known	
				Application Number	10/743,493-Conf. #7784
				Filing Date	December 23, 2003
				First Named Inventor	Se Wan KIM
				Art Unit	3661
				Examiner Name	M. Marc
Sheet	1	of	1	Attorney Docket Number	0630-1891P

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
MW	AA*	US-5,652,593	07-29-1997	Rench et al.	
MW	AB*	US-5,940,346	08-17-1999	Sadowsky et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
MW	BA	DE-195 20 532-C2	01-25-1996			
MW	BB	DE-40 36 022-A1	05-14-1992			
MW	BC	EP-0 766 098-A1	04-02-1997			
MW	BD	JP-2001-125641-A	05-11-2001			

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NON PATENT LITERATURE DOCUMENTS					
Examiner Initials	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.			T ²
MW	CA	M. Vossiek et al.; "An Ultrasonic Multielement Sensor System for Position Invariant Object Identification"; 1994 Ultrasonics Symposium; IEEE; pp 1293-1297			
MW	CB	A. Curran et al.; "Sensor-Based Self-Localization for Wheeled Mobile Robots"; IEEE 1993; pp 8-13			
MW	CC	Saeed Shiry Ghidary et al.; "A new Home Robot Positioning System (HRPS) using IR switched multi ultrasonic sensors"; IEEE; 1999; pp 737-741			

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¹ Applicant's unique citation designation number (optional). ² Applicant is to place a check mark here if English language Translation is attached.

Examiner Signature	/Marie Weiskopf/	Date Considered	01/17/2007
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Birch, Stewart, Kolasch & Birch, LLP

JTE/mao



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Substitute for form 1449A/B/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)			Complete if Known		
			Application Number	10/743,493-Conf. #007784	
			Filing Date	December 23, 2003	
			First Named Inventor	Se Wan KIM	
			Art Unit	3661	
			Examiner Name	M. Marc	
Sheet	1	of	1	Attorney Docket Number	0630-1891P

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁴
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
MW		JP 2-102477	04-16-1990			
MW		JP 7-140241	06-02-1995			
MW		JP 11-231039	08-27-1999			

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Examiner Signature	/Marie Weiskopf/	Date Considered	01/17/2007
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